

2316

30

Class-M.Sc IInd Sem.

Subject -BOT 523

Paper-General Microbiology

Time Allowed : 3 Hours

Maximum Marks : 50

**SECTION-A**

**Each part is compulsory. Each part carries 1 mark.**

1. (a) Differentiate between bactericidal & bacteriostatic
- (b) Name important vitamins produced by microbial fermentation.
- (c) List three steps of Aerobic pathway.
- (d) Define hops and give their use.
- (e) Which fungal organism is used in brewing?
- (f) Define phenol coefficient.
- (g) Define viriod.
- (h) Define xacrobiology. (1×8=8)

**SECTION-B**

**Attempt any 7 parts.**

2. Differentiate between primary & secondary metabolites.
3. Write a note on airborne plants and human pathogens.
4. Discuss the characteristics of an ideal antimicrobial chemical agents.
5. Give the methods of pure culture.

6. Give the preparation of culture media.
7. Give classification of viruses.
8. What are the best sterilizing agents?
9. Discuss autoclaving.
10. Describe the symptoms of rabies. (7×3=21)

### SECTION-C

**Attempt any 3 parts.**

11. Discuss sampling devices for collection of bioaerosols.
12. Give detailed account of production of alcoholic beverages.
13. Describe Bergey's method of classification.
14. Describe Herpes in detail.
15. Describe phase contrast microscopy. (3×7=21)

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